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Lars Jebe

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*Hi, I'm Lars. I'm a research engineer working at the seam between generative-AI research and shipped product. I own the data and vision pipelines, agentic workflows, and inference infrastructure that turn lab-grade techniques into something real users love. Four years on Marc Levoy's computational photography team at Adobe; now founding engineer at Phota Labs, personalizing generative photography to *you*.*

EDUCATION

- Stanford University, Stanford, CA** 2017 – 2019
Master of Science (M. Sc.) in Electrical Engineering, Final GPA: 4.13 / 4.00
Relevant classes (all A+): Machine Learning (CS 229), CNNs for Visual Recognition (CS 231N),
Digital Image Processing (EE 368), Computational Imaging (EE 367), Intro to Computer Graphics (CS 148)
- RWTH Aachen University, Aachen, Germany** 2013 – 2017
Electrical Engineering, Information Technology, Computer Engineering B. Sc.
Final Grade: 1.1, **Best student out of 603 graduates in the program**

EXPERIENCE

- Founding Technical Staff, Phota Labs** since May 2025
- First hire at a generative-photography startup; own the production stack outside the core model
 - Inference and serving infrastructure for an identity-preserving generative photography product
 - Computer-vision and data pipelines that feed model training and run at inference time
 - API surface and product integrations that turn the team's research into a shipped product (Phota Studio, Phota API)
- Research Engineer (Computational Photography), Adobe, San Jose, CA** Apr 2021 – Apr 2025
- On Marc Levoy's computational photography team (Nextcam); shipped features used by tens of millions
 - Project Indigo (Jun 2025): core developer on computational pipeline for SLR-like raw and JPEG output on iPhone, credited in launch blog and inside the app
 - Adobe Adaptive Profile (Oct 2024): co-author of the Adobe launch blog; built the training-data pipeline that shaped the model's architecture; shipped in Camera Raw and Lightroom
 - Designed and led a highly efficient mobile RAW image processing pipeline (C++, Halide)
 - Developed Vision Transformer (ViT)-based models to parametrize the mobile RAW pipeline (PyTorch, C++)
 - Co-authored work at top-tier computer vision and graphics venues (CVPR, SIGGRAPH Asia)
 - Mentored interns and provided guidance on research projects
- Sr. Member of Technical Staff (Compute Team) at Raxium, Fremont, CA** Sep 2019 – Jan 2021
- Research in 3D Vision and Computer Graphics (3D Reconstruction and Novel View Synthesis)
 - Created Neural Rendering models in TensorFlow and PyTorch, published at CVPR 2021 (Best Paper Candidate)
 - Designed and calibrated a synchronized multi-view RGBD capture system (Python, SolidWorks)
 - Built automated image analysis scripts to support material science teams (Python)
- Course Assistant (CA) for Fei Fei Li's CS231N: CNNs for Visual Recognition, Stanford University** 2019
- Computational Imaging Intern, Light, Palo Alto** 2018
- Research Assistant at IVMS Research Lab (Prof. Girod), Stanford University** 2018
- Research Assistant at Computational Imaging Lab (Prof. Wetzstein), Stanford University** 2018

RELEVANT PUBLICATIONS

- DiffusionRig: Learning Personalized Priors for Facial Appearance Editing** 2023
Zheng Ding, Xuaner Zhang, Zhihao Xia, Lars Jebe, Zhuowen Tu, Xiuming Zhang
CVPR 2023
- Neural Photo-Finishing** 2022
Ethan Tseng, Yuxuan Zhang, Lars Jebe, Xuaner Zhang, Zhihao Xia, Yifei Fan, Felix Heide, Jiawen Chen
ACM SIGGRAPH ASIA 2022 (Journal Track)
- Neural Lumigraph Rendering** 2021
Petr Kellnhofer, Lars Jebe, Andrew Jones, Kari Pulli, Gordon Wetzstein
CVPR 2021, Oral, Best Paper Candidate

LEADERSHIP AND ENGAGEMENT

- Reviewer Duty:** ACM SIGGRAPH, ACM Transactions on Graphics (TOG), Eurographics, CVPR, ICCV, ECCV *since 2021*
- Vice President** of the *Stanford German Student Association (SGSA)* 2018 – 2019
- Group Leader (Marketing)** at *AC.E – Aachener Entrepreneurship Team e.V.* 2016 – 2017
- Course instructor** of the computer science project group "IT4Kids" 2015
- Student Engineer** at *Ecurie Aix – Formula Student Team der RWTH Aachen e.V.* 2014 – 2015

ACHIEVEMENTS AND AWARDS

- German Academic Exchange Service (DAAD) Fellowship for Graduate Studies** 2017 – 2019
- Scholarship of the German Academic Scholarship Foundation (top <0.5% of students nationwide)** 2015 – 2019
- Award of the Association of German Electrical Engineers** Feb 2016
- MATLAB Team Award for the best student project in robotics at RWTH Aachen University** Feb 2014

You can learn more about me and about selected projects on my website: <https://larsjebe.com/>. Looking forward to connecting!